

FIG.1

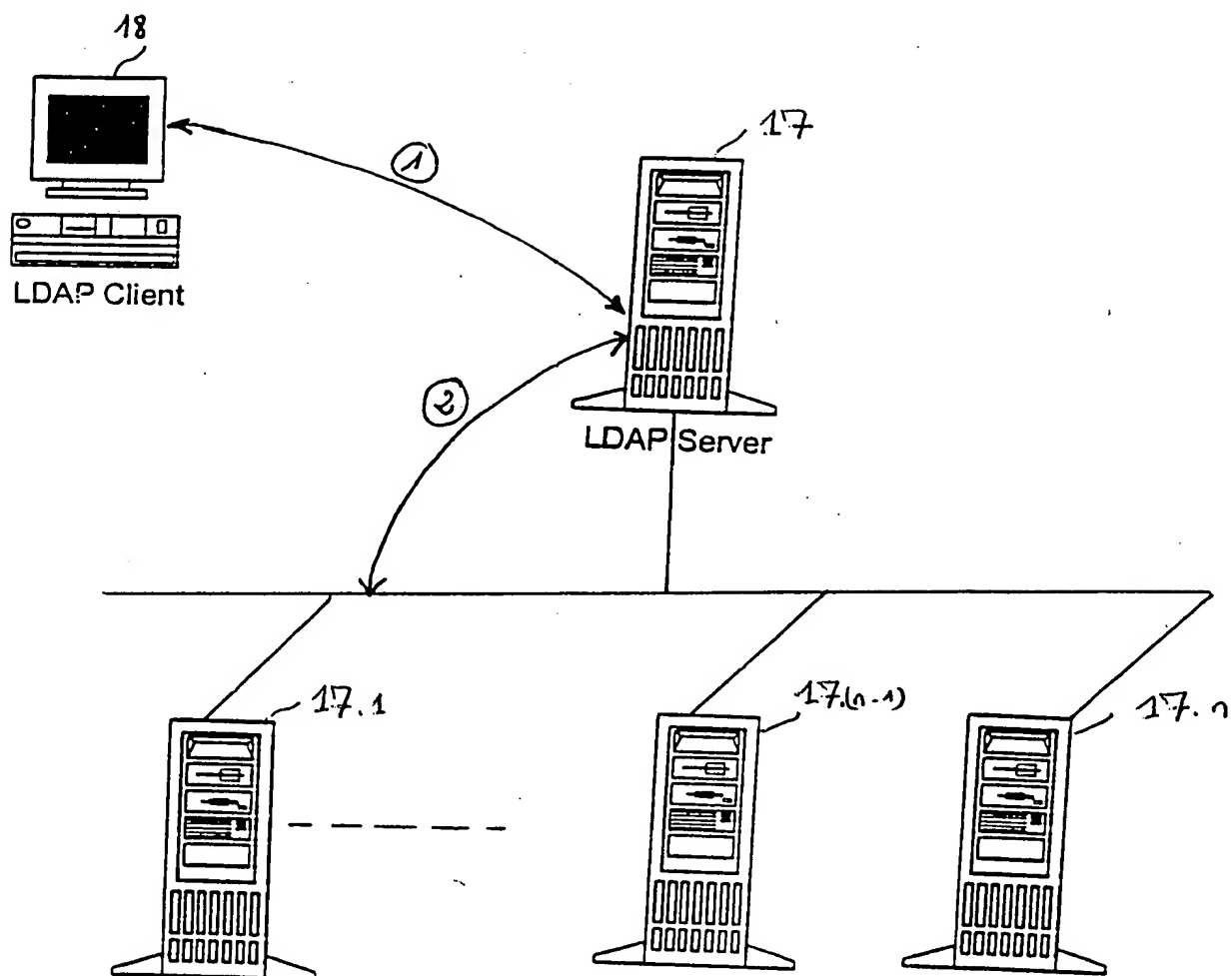


FIG. 2.

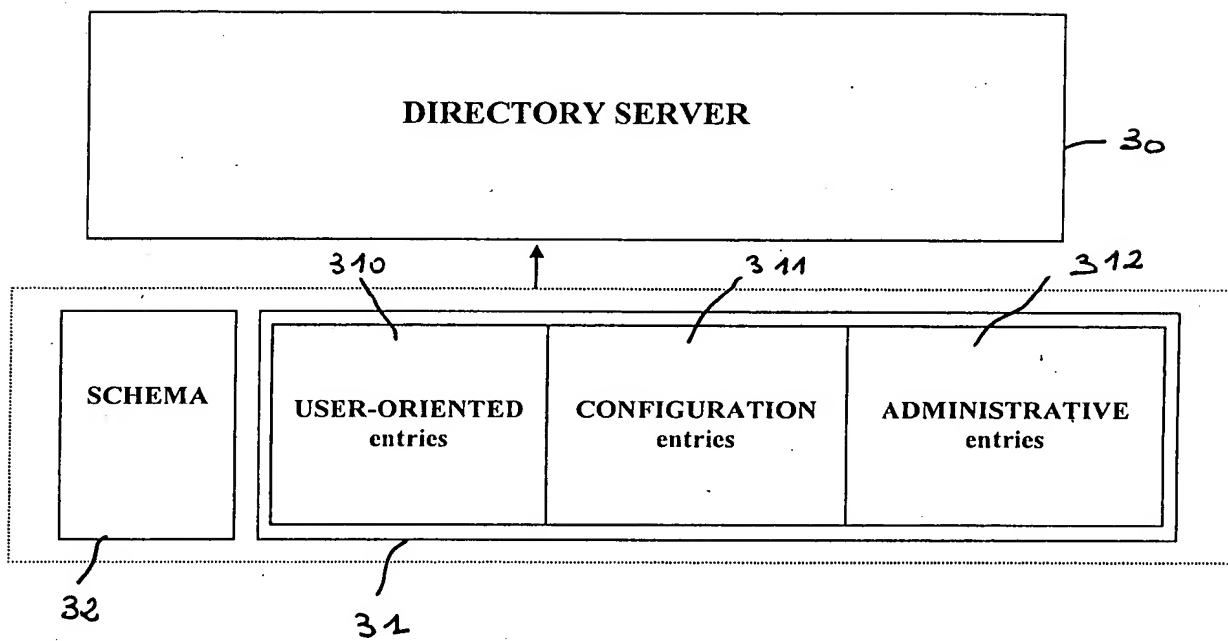


FIG 3

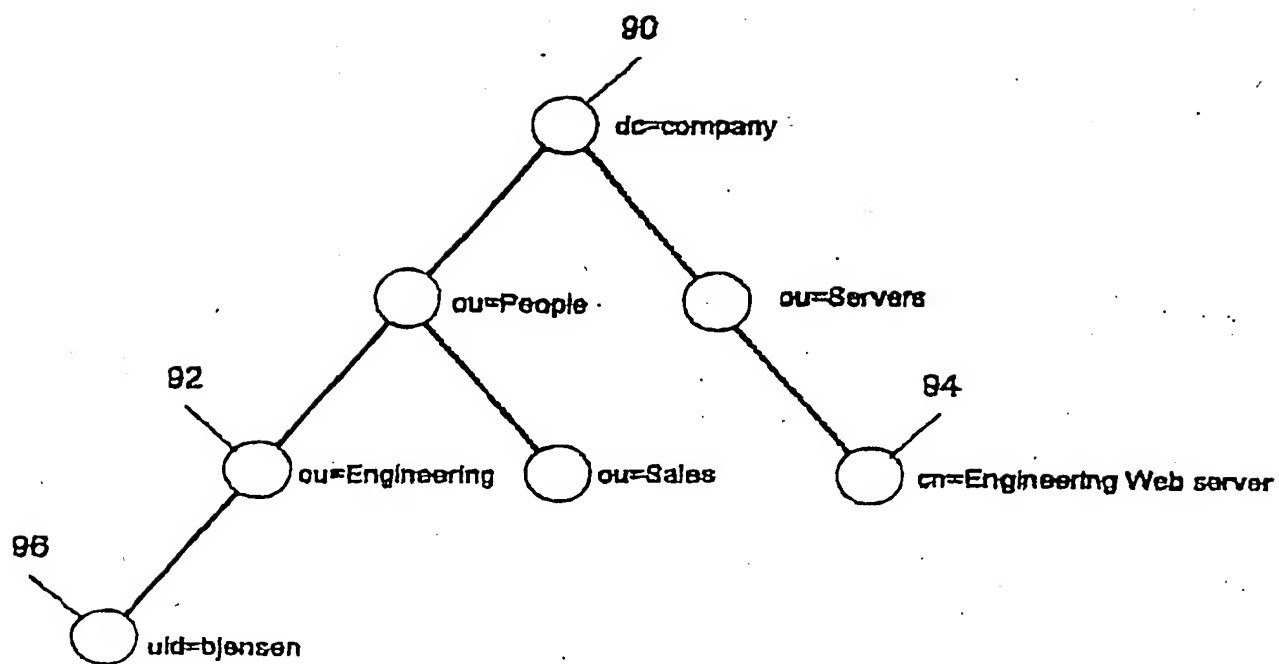


FIG 4

(PRIOR ART)

Entry 404

Attribute type 400

Attribute value 402

dn :	uid=Joe, ou=people, dc=france, dc=sun, dc=com
objectClass :	top
objectClass :	person
objectClass :	organizationalPerson
objectClass :	inetOrgPerson
cn :	Joe
sn :	Rayan
uid :	joerayan
mail :	joerayan@sun.com
phoneNumber :	778

Fig 5

(PRIOR ART)

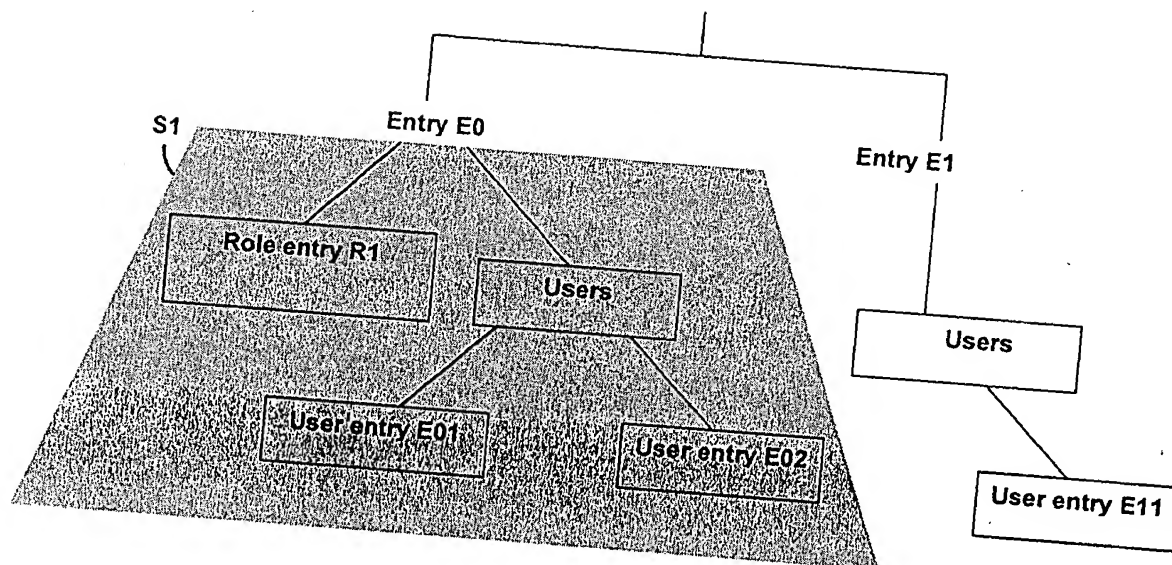


FIG 6

(PRIOR ART)

T/A

7172

	Role Type	Object Classes	Attributes
701	Managed Role	nsSimpleRoleDefinition nsManagedRoleDefinition	description (optional)
702	Filtered Role	nsComplexRoleDefinition nsFilteredRoleDefinition	NsRoleDN description (optional)
703	Nested Role	nsComplexRoleDefinition nsNestedRoleDefinition	NsRoleDN description (optional)

Figure 7
(PRIOR ART)

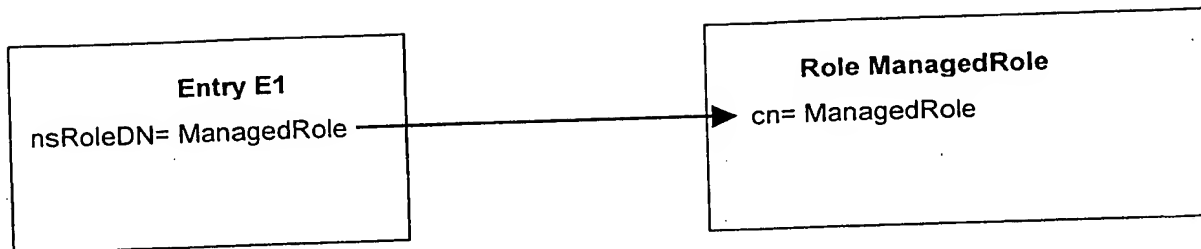


FIG 8a

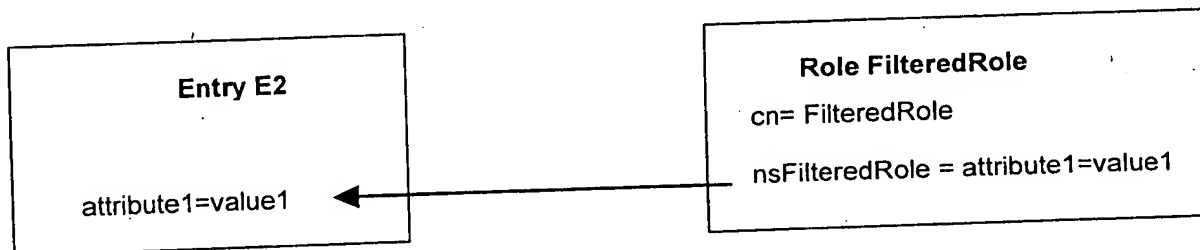


FIG 8b

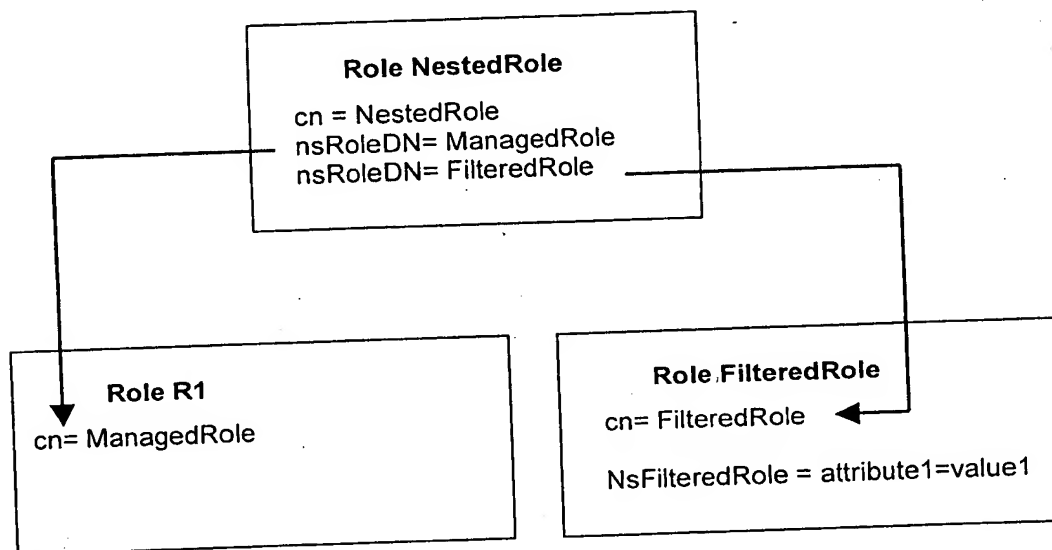


FIG 8c

(PRIOR ART)

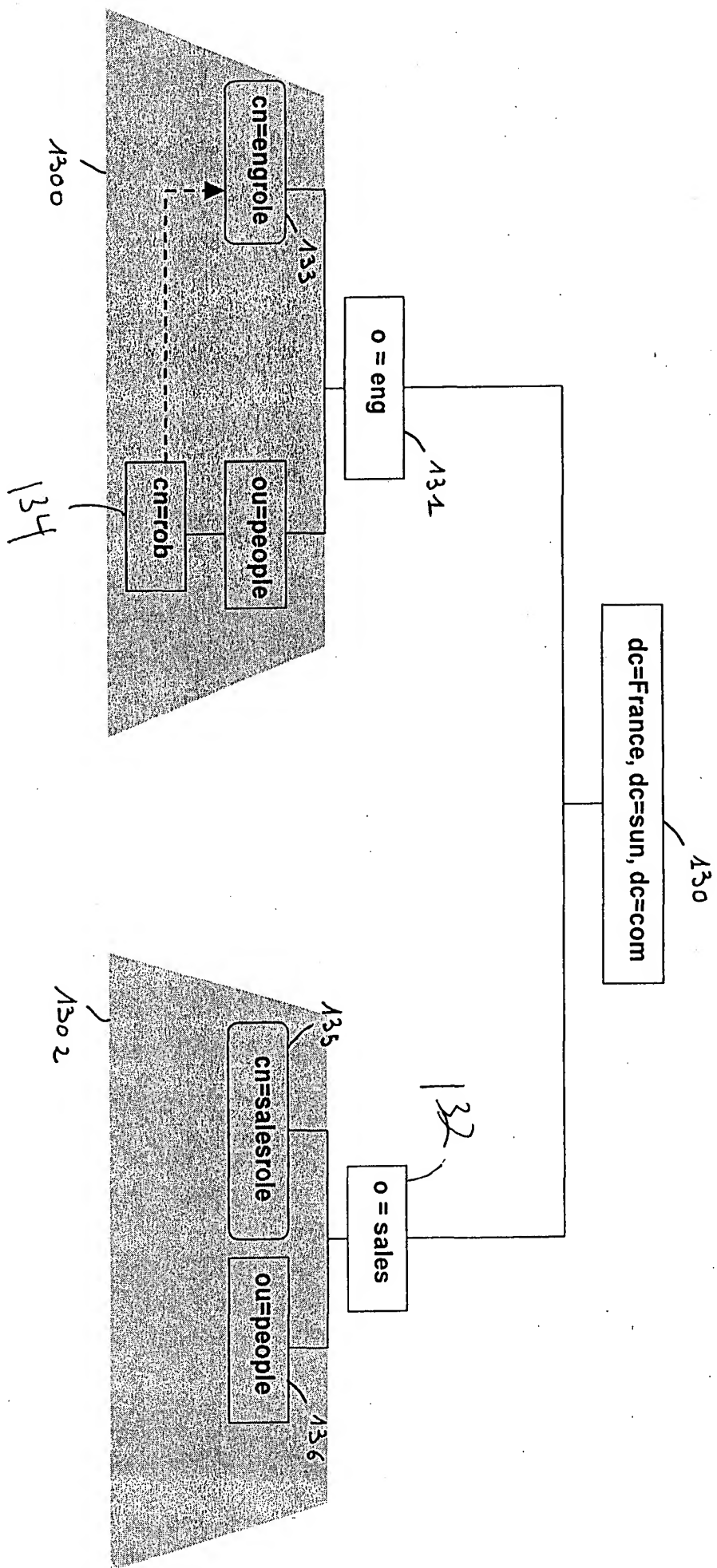


Figure 9

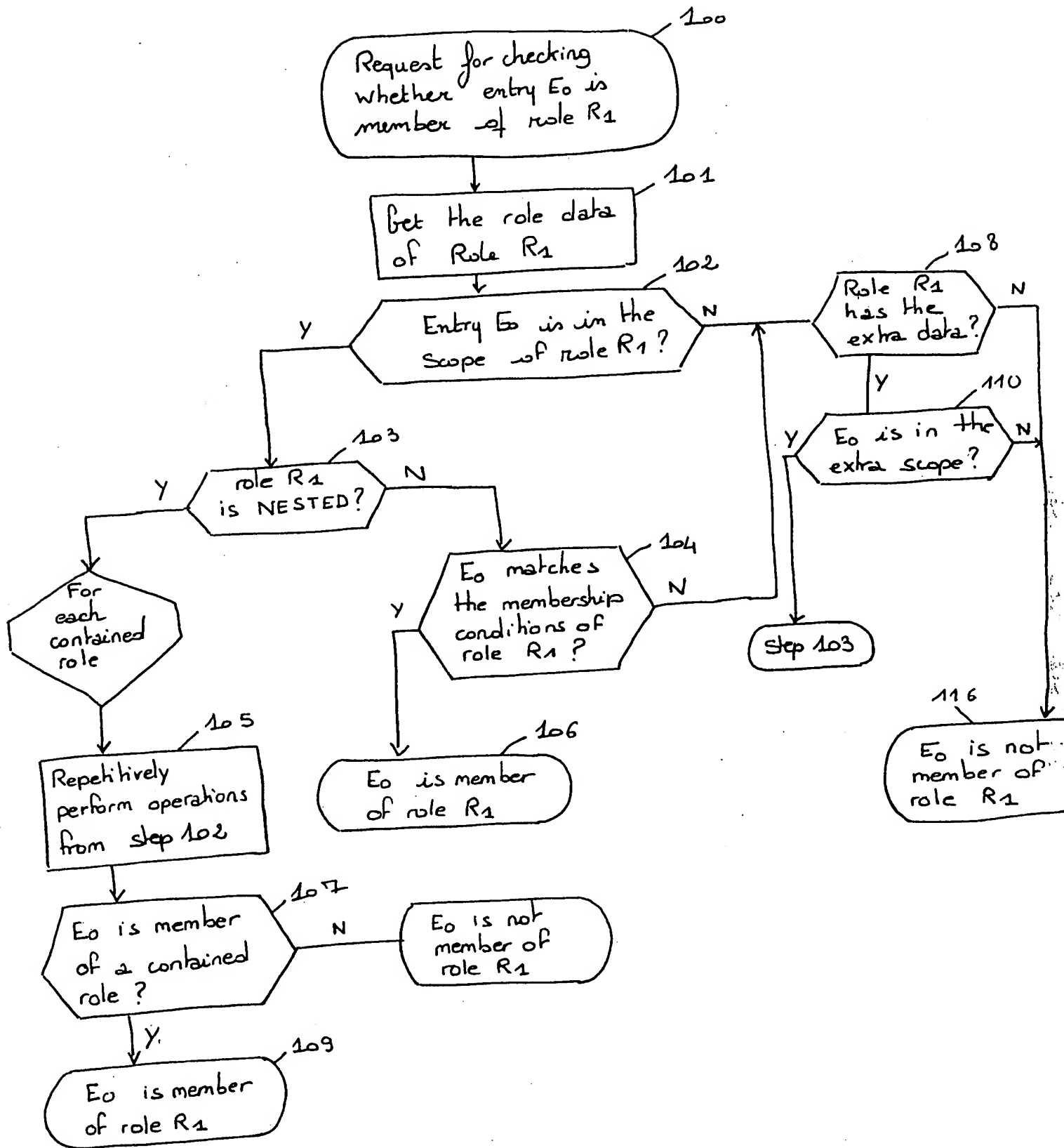


Figure 1a

ATTRIBUTES	ATTRIBUTE VALUES
<i>dn</i>	distinguished name of the nested role
<i>objectclass</i>	object classes of the nested role
<i>nsRoleScopeDn</i>	distinguished name of the extended scope
<i>nsRoleDn</i>	distinguished names of the roles contained by the nested role

Figure 11

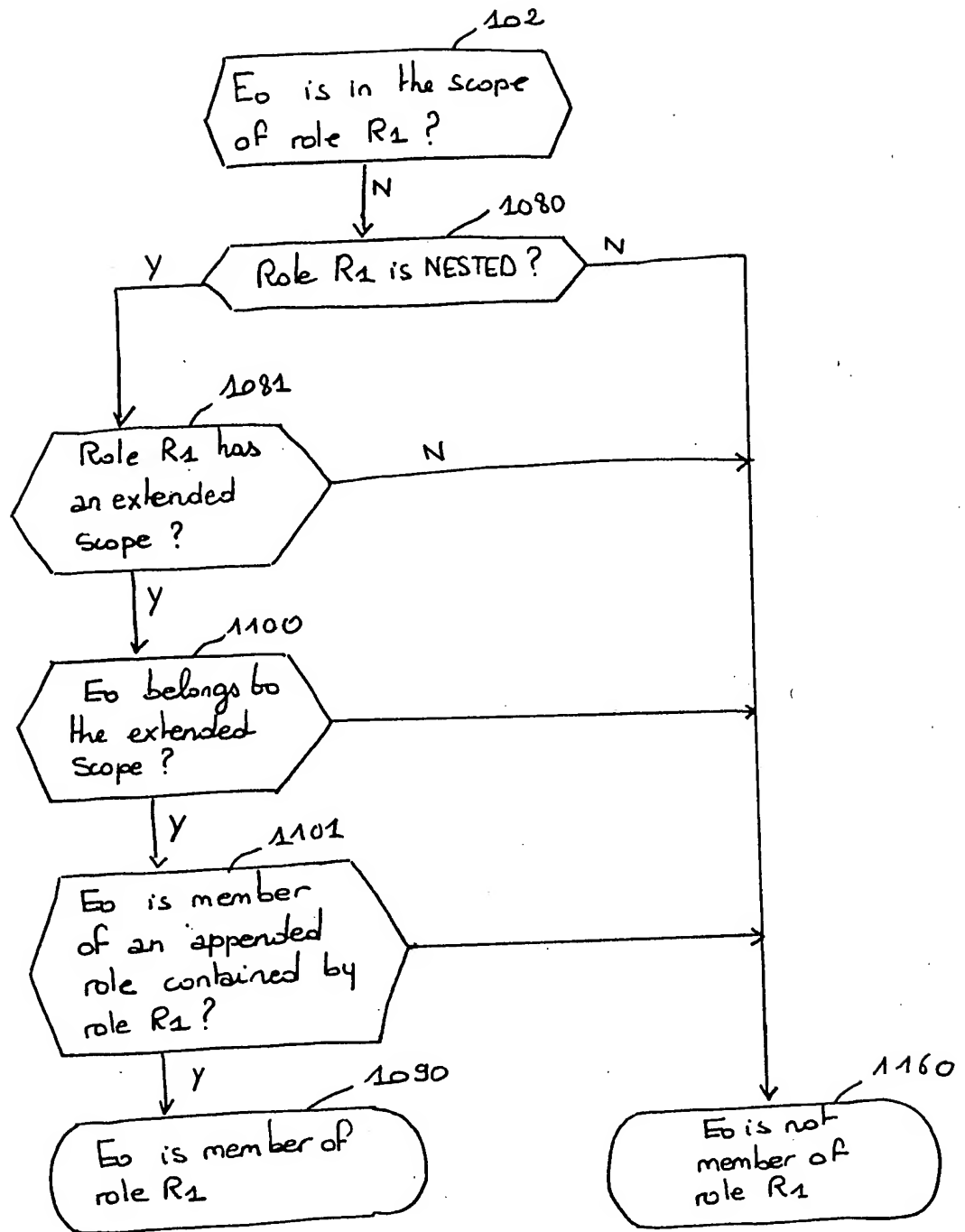
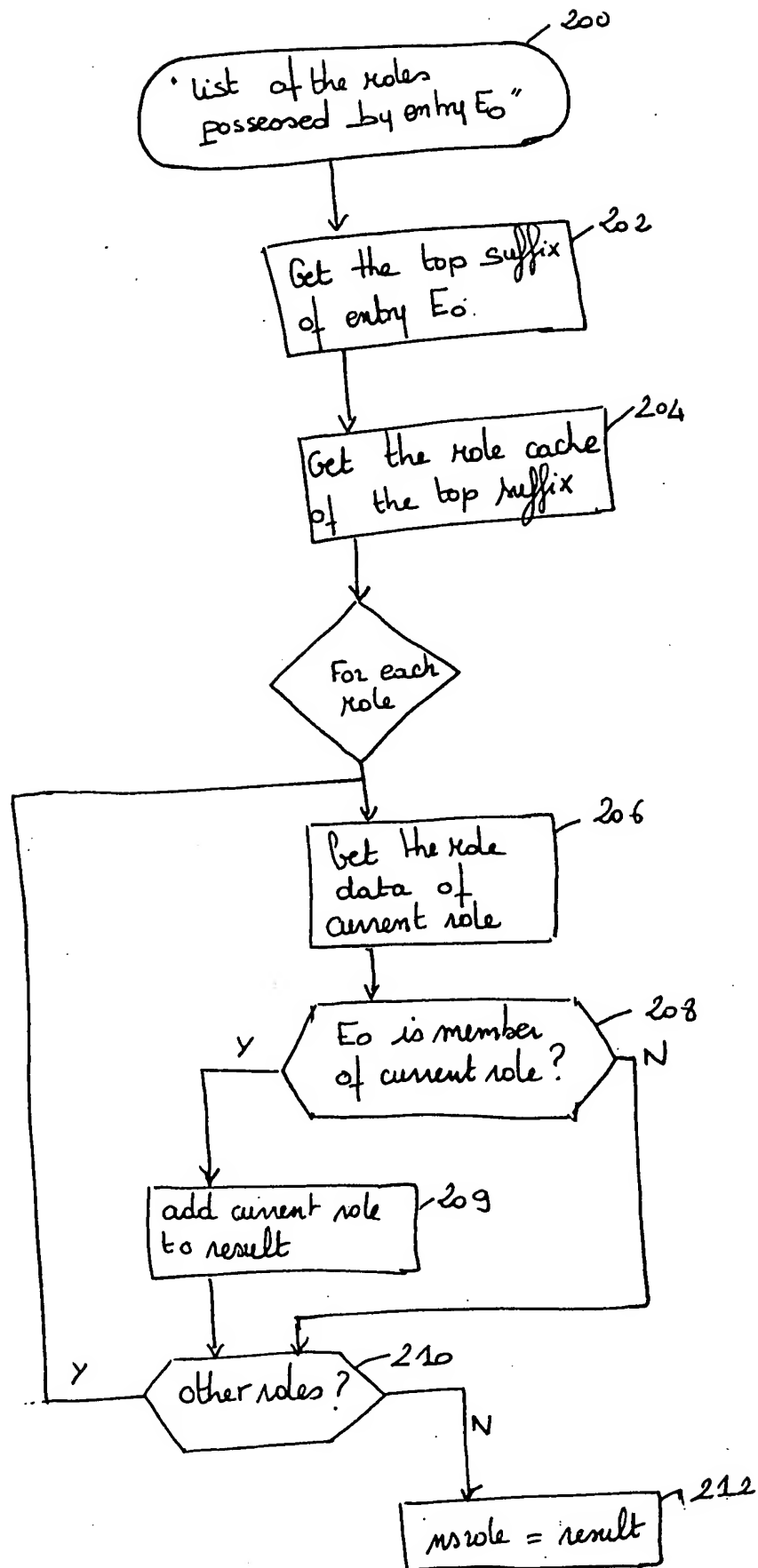


Figure 12



(prior art)

FIG 13a

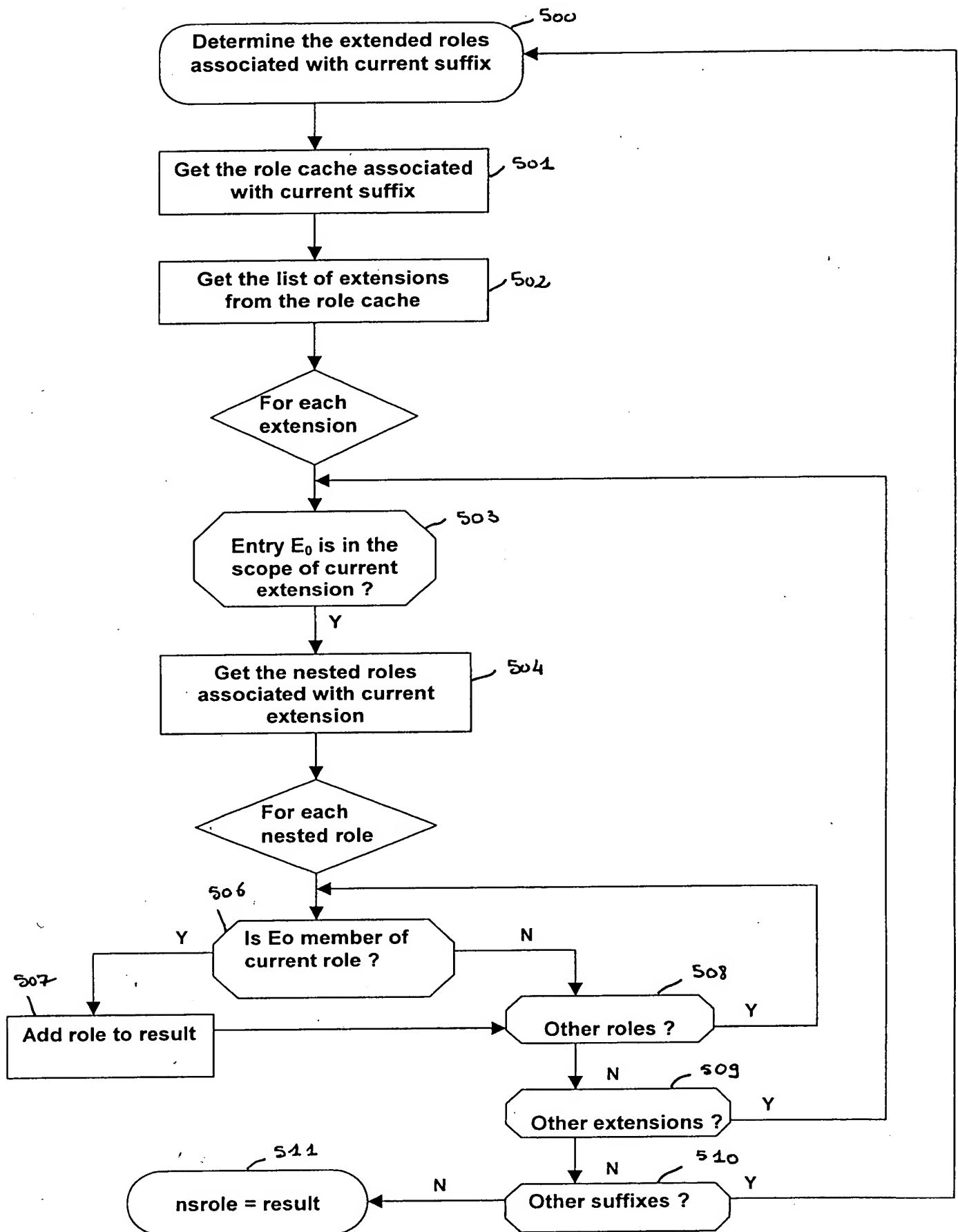


Fig. 13b

Figure 13b

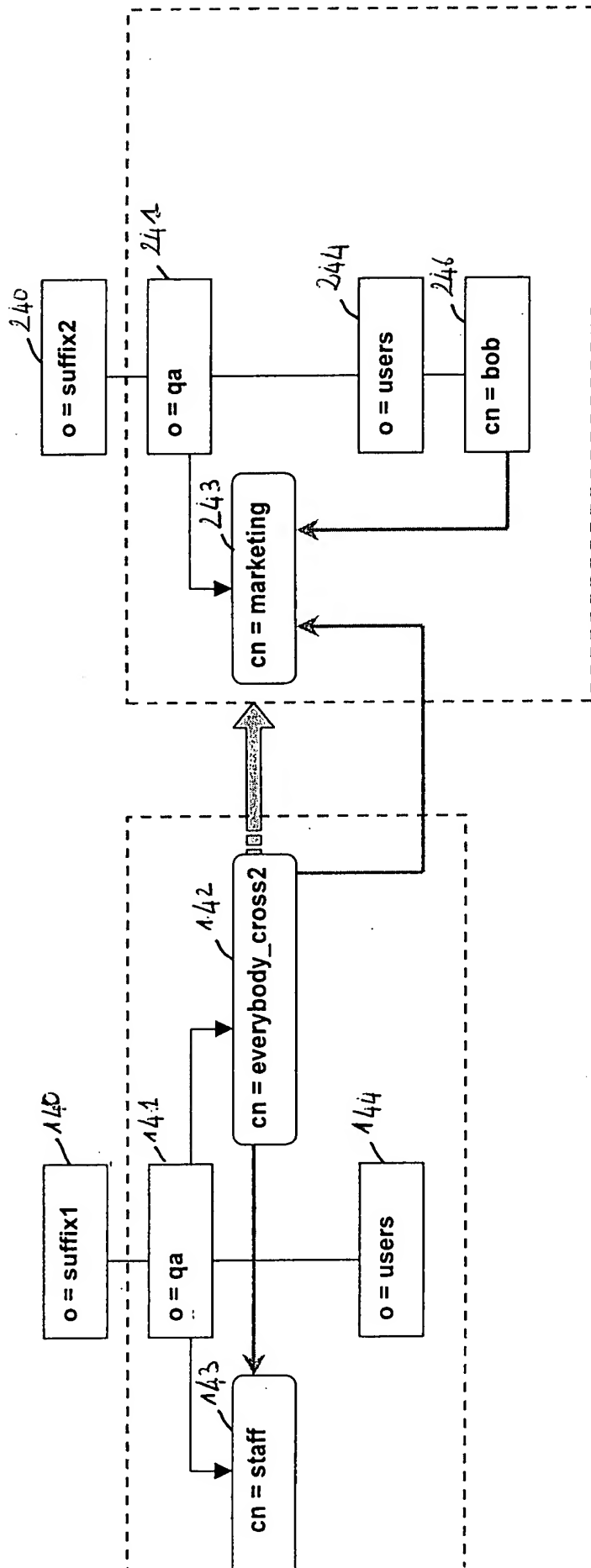
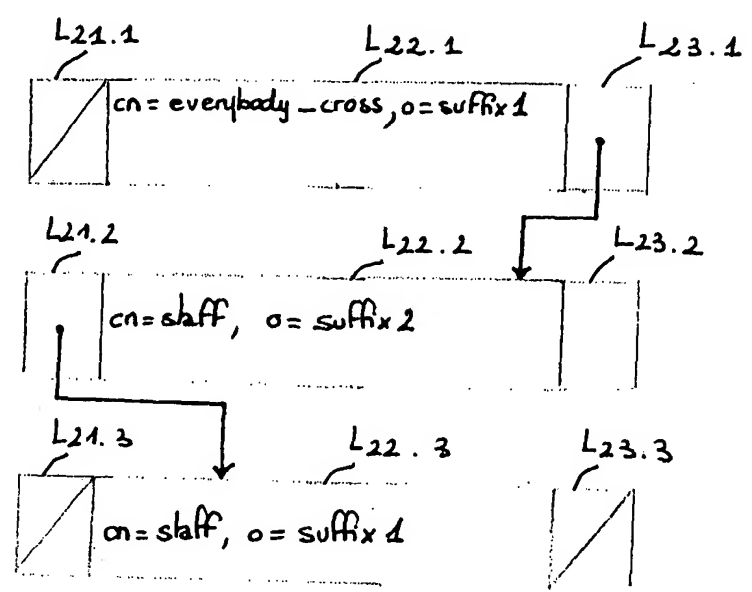
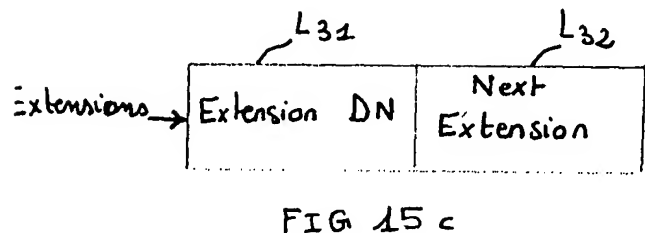
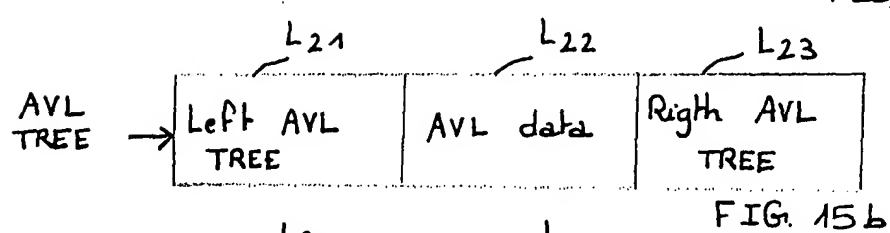
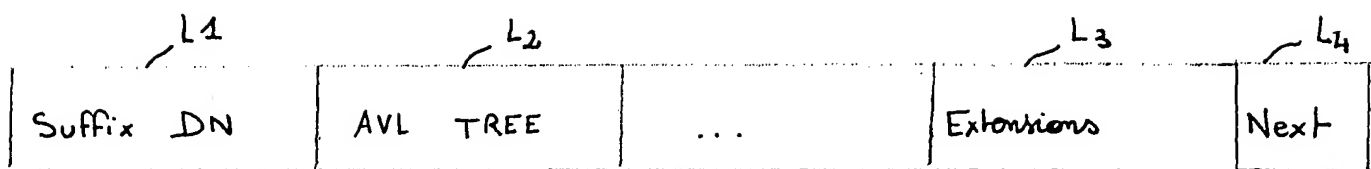


FIG. 14



L221	L222	L223	L224
Role DN	Role Type	Scope extension DN	AVL TREE

FIG. 17

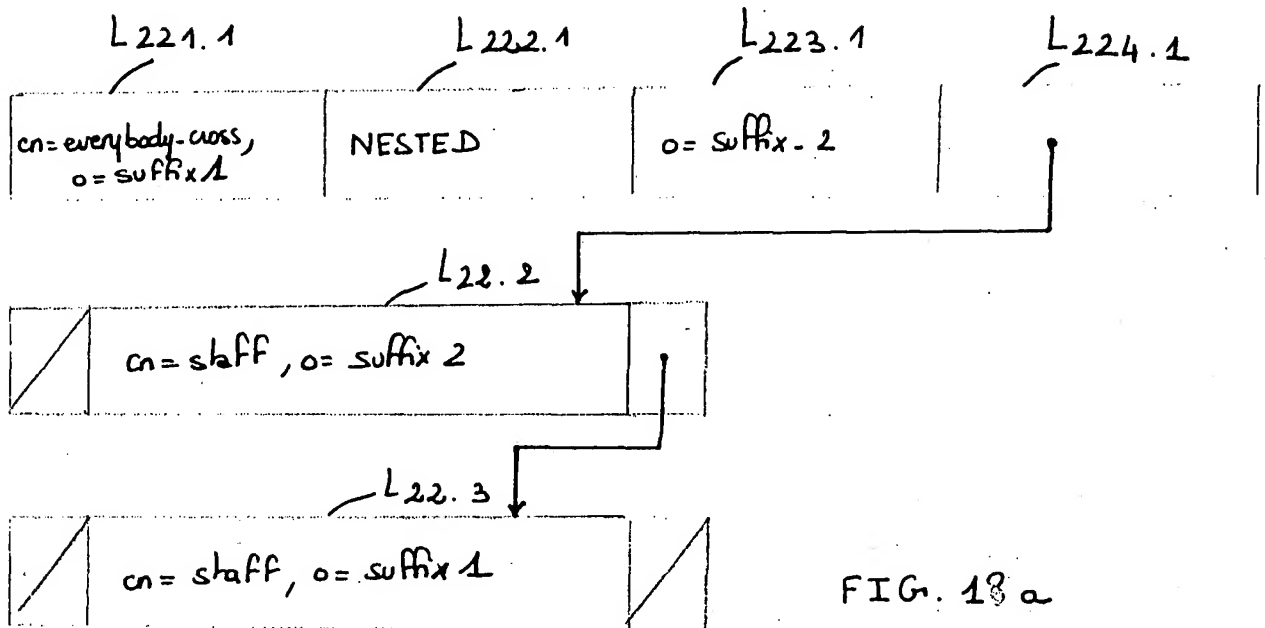


FIG. 18a

L221.2	L222.2
cn=staff, o=suffix 2	MANAGED

FIG. 18b

L221.3	L222.3
cn=staff, o=suffix 1	MANAGED

FIG. 18c

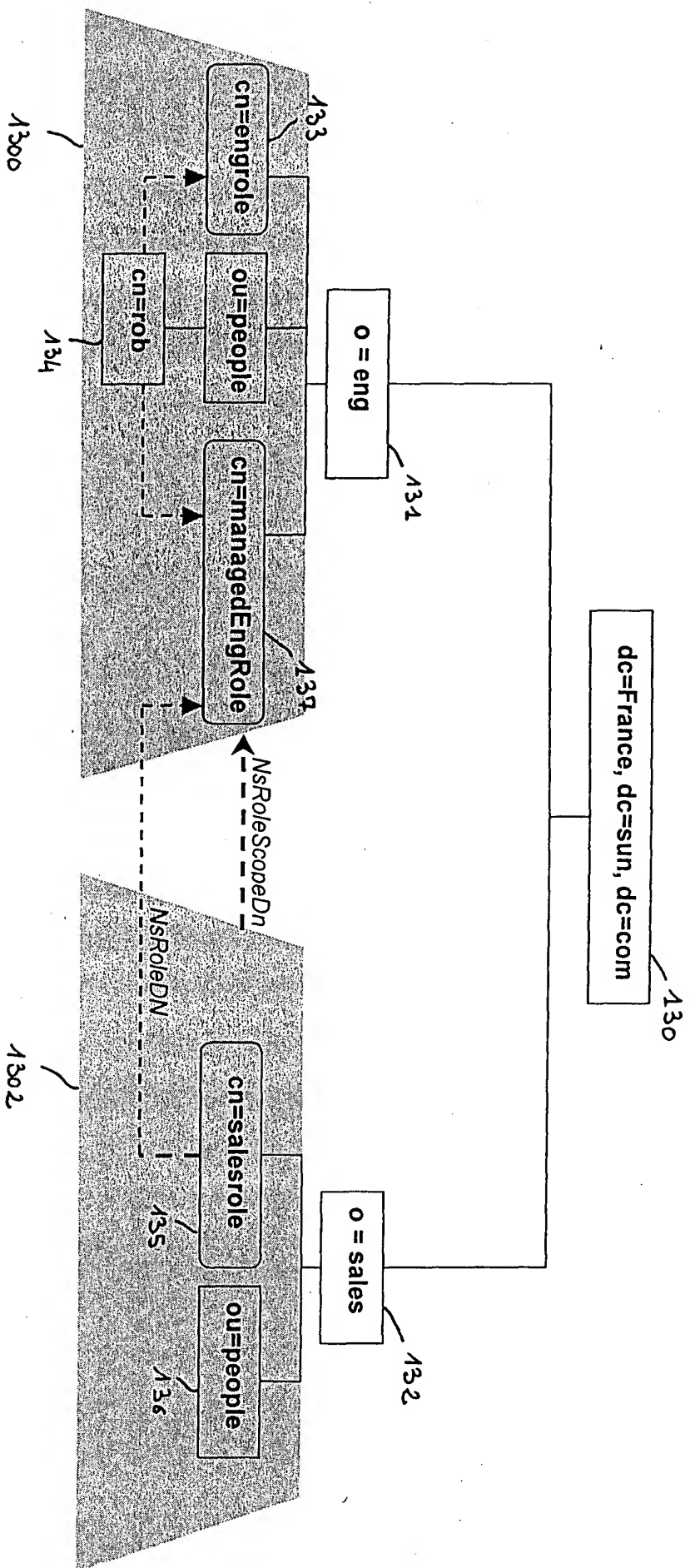


Figure 19